

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Currently Amended) Beer Beverage dispensing apparatus, the apparatus comprising a flow chamber having a substantially circular cross section, an inlet and an outlet, wherein the apparatus is configured such that in use a vortexial motion is formed in the mass of beer flowing through the apparatus such that gas separates out from the beer within the vortex formed an a head is formed on beer dispensed from ~~being formed so as in use to provide a vortexial motion in the mass of beverage flowing through the apparatus.~~

2. (Cancel)

3. (Currently Amended) A beer beverage dispensing apparatus as claimed in claim 1 [[2]], wherein the inlet extends substantially at a tangent to the circular cross section of the flow chamber.

4. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 3, wherein the inlet is a conduit which extends substantially perpendicular to the longitudinal axis of the flow chamber.

5. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 1 ~~[[2]]~~, a vortex finder being provided within the flow chamber aligned in relation to the inlet such that in use, beer ~~beverage~~ flowing into the flow chamber is guided in a circular path between the surface of the vortex finder and the inner face of the flow chamber.

6. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 5, wherein the vortex finder comprises a portion in the form of a cylinder.

7. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 6, wherein the vortex finder further comprises a conic or frusto-conic part provided at the downstream end thereof.

8. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 6, wherein the vortex finder is provided integrally with a valve head.

9. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 1, the apparatus being arranged to be oriented substantially vertically in use such that the beverage flows helically downwardly through the apparatus under the action of gravity.

10. (Currently Amended) A beer beverage dispensing apparatus as claimed in claim 1 ~~[[2]]~~, wherein the circular cross section of at least a part of the flow chamber decreases in diameter along its axis in the downstream flow direction.

11. (Currently Amended) A beer beverage dispensing apparatus as claimed in claim 1, wherein a vortex breaker is provided in the apparatus to smooth the flow of beer beverage leaving the apparatus.

12. (Currently Amended) A beer beverage dispensing apparatus as claimed in claim 1 ~~[[2]]~~, the flow chamber comprising a hollow cylindrical upstream portion defining a vortex finding chamber and a conical or frusto-conical downstream portion depending therefrom.

13. (Currently Amended) A beer beverage dispensing apparatus as claimed in claim 1, further comprising means for opening and closing the flow of beverage into the apparatus.

14. (Cancel)

15. (Currently Amended) A beer beverage dispensing apparatus as claimed in claim 8, further ~~comprising comprising an inlet conduit, a flow directing chamber, a valve member located within the flow directing chamber and an outlet conduit leading from the flow directing chamber,~~ wherein the inlet ~~conduit~~ is arranged in relation to the flow ~~directing~~ chamber such that beer beverage flowing into the apparatus in use ~~[[tap]]~~ is directed to flow around the valve head member substantially in one direction.

16. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 15, wherein the outlet conduit depends from the flow directing chamber and is arranged such that the flow of beer ~~beverage~~ around the valve member establishes a vortex flow within the outlet conduit.

17. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 15, wherein a vortex breaker is provided in the outlet conduit to smooth the flow of beverage leaving the apparatus.

18. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 15, wherein the valve head ~~member~~ is axially movable within the flow ~~directing~~ chamber in such a way that the valve head ~~member~~ opens and closes the inlet conduit.

19. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 18, wherein the valve head ~~member~~ is provided with a vortex finding portion having a diameter significantly less than that of the flow ~~directing~~ chamber and a valve portion having a diameter substantially the same as that of the flow directing chamber, and the valve portion is operable to open and close the inlet conduit.

20-21 (Cancel)

22. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 1 [[21]], the apparatus being made of stainless steel.

23. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 1 [[21]], the apparatus being made of glass.

24. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 1 [[21]], the apparatus being made of plastics.

25. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 24, the apparatus being made of Perspex.

26. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 7, wherein the conic or frusto-conic part thereof has a taper angle of up to 30°.

27. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim [[25]] 26, wherein the conic or frusto-conic part thereof has a taper angle of less than 15° or preferably 10°.

28. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 27, wherein the conic or frusto-conic part thereof has a taper angle of less than 7° and 3°, preferably between 7° and 5°.

29. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 28, wherein the conic or frusto-conic part thereof has a taper angle of about 5°.

30. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 7, wherein the conic or frusto-conic part thereof has a height of between 100 mm and 30 mm.

31. (Currently Amended) A beer ~~beverage~~ dispensing apparatus as claimed in claim 30, wherein the conic or frusto-conic part thereof has a height of about 50 mm.

32. (Cancel)

33. (Currently Amended) A method of according to claim 32 and dispensing beer ~~a beverage~~ comprising forming a vortexial ~~vortex~~ flow in the mass of beer ~~beverage~~ as it is dispensed using the apparatus as claimed in claim 1.

Please add new claims 34-38 as follows:

34. (New) A beer dispensing apparatus as claimed in claim 10, wherein the vortex breaker comprises a blade extending diametrically across a downstream portion of the flow chamber.

35. (New) Beer dispensing apparatus, the apparatus comprising a flow chamber having a substantially circular cross section, an inlet and an outlet, wherein the inlet extends substantially at a tangent to the circular cross section of the flow chamber, and the apparatus is configured such that in use a vortexial motion is formed in the mass of beer flowing through the apparatus

such that gas separates out from the beer within the vortex formed and a head is formed on beer dispensed from the apparatus.

36. (New) Beer dispensing apparatus, the apparatus comprising a flow chamber having a substantially circular cross section, an inlet, an outlet and a vortex finder comprising a portion in the form of a cylinder, wherein the vortex finder is provided integrally with a valve head and is provided within the flow chamber aligned in relation to the inlet such that in use, beer flowing into the flow chamber is guided in a circular path between the surface of the vortex finder and the inner face of the flow chamber.

37. (New) Beer dispensing apparatus, the apparatus comprising a flow chamber having a substantially circular cross section, an inlet and an outlet, wherein the circular cross section of the flow chamber decreases in diameter along its axis from the inlet to the outlet, and wherein the apparatus is configured such that in use a vortexial motion is formed in the mass of beer flowing through the apparatus such that gas separates out from the beer within the vortex formed and a head is formed on beer dispensed from the apparatus.

38. (New) Beer dispensing apparatus, the apparatus comprising a flow chamber having a substantially circular cross section, an inlet, an outlet, and a vortex breaker comprising a blade extending diametrically across a downstream portion of the flow chamber, wherein the apparatus is configured such that in use a vortexial motion is formed in the mass of beer flowing through the apparatus such that gas separates out from the beer within the vortex formed and a head is formed on beer dispensed from the apparatus.